



# Pandemic Influenza Tracking in the DoD community on Oahu

A prototype project for Pandemic Influenza  
Preparedness and Response  
Concepts and Lessons Learned

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# Objectives

- Data tracking and management for Command and Public Health perspectives
- Facilitate “managing a pandemic as it happens!”
- Ease of use
  - Capture data where possible using common DoD tools (AHLTA and/or CHCS Legacy for front end)
  - Data retrieval using existing clinical repository
    - Clinical and Economic Outcomes (CEO)
    - Migrate to AHLTA Clinical Data Mart/Clinical Data Warehouse as these mature



# Our Influenza Tracking working group

- Mike Brumage, COL, MC, Chief, Preventive Medicine
- William Jackson, CDR, USPHS
- Carmen Pilien, Lead Programmer
- Mary Schweikert, RN, Lead AIM form developer
- Joel Tanaka, Chief Technology Officer
- George Underwood, MD, Medical Informatics, Clinical Informatics, IMD, Project Lead
- Lonnie Wheeler and Jennifer Roddy, AIM form developers
- Brian White, PharmD, Clinical Pharmacologist
- Steve Yamada, Infection Control

We've also had Tri-Service and other representation on an ad hoc basis:

Mylene Huynh, LTC, USAF, MC, FS (International Health Specialist, PACAF)

Lynda Vu, LTC, USAF, MC, Hickam

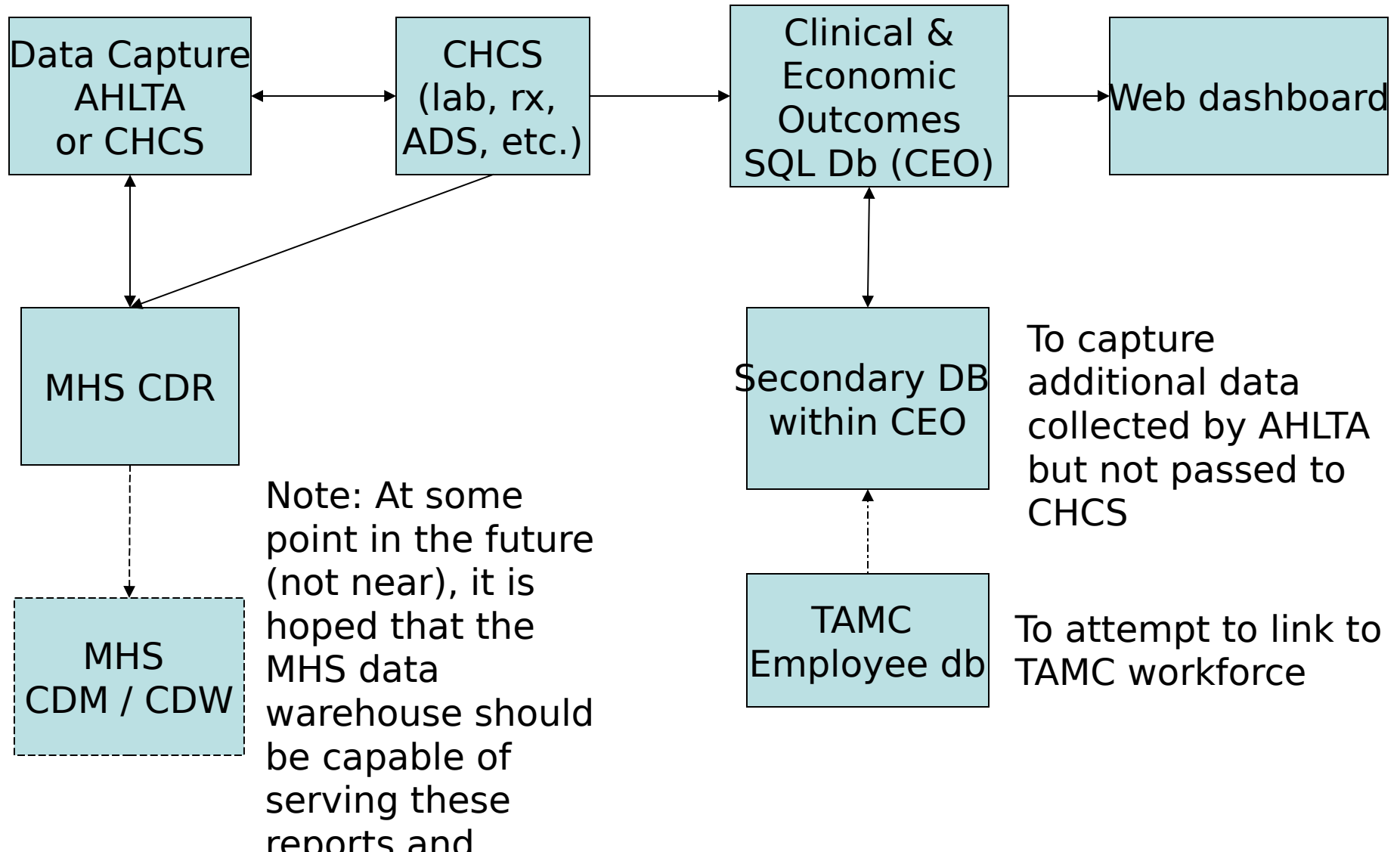
Pamela Smith, MAJ, USAF, MC, SFS, Hickam

Lorraine Nadkarni, CDR, SMO, NHC PH

Mike Napier, Pacific Disaster Center Representative



# Data flow





# Front-end Data Capture

- Use custom AHLTA AIM form to capture data
- Can also capture ICD-9 codes and orders from legacy CHCS
- May use paper copies of AIM forms in ER or during AHLTA down times



# Our influenza AIM form is now a DoD standard

UNDERWOOD, GEORGE H: Military Clinical Desktop - S/O (Privacy Act of 1974/FOUO)

File Edit View Go Tools Actions Help

Appointments Search CHCS-I Load New SaveAs Edit Delete Search Refresh Import Export Move To Folder Cancel Close

QQQCHCSIEST, DAUGHTER 02/815-07-6318 11yo F FM: DOB:01 Jan 1995

Folder List

- Telephone Consult
- Search
- Patient List
- Consult Log
- Co-signs
- Sign Orders
- New Results
- Reports
- Tools
- Web Browser
- CHCS-I
- Immunizations Ad
- QQQCHCSIEST, D.
- Demographics
- Health History
  - Problems
  - Meds
  - Allergy
  - Wellness
  - Immunizations
  - Vital Signs Re
  - PKC Couplers
  - Readiness
  - Patient Quest
- Lab
- Radiology
- Clinical Notes
- Previous Encount
- Flowsheets
- Current Encount
- Screening
- Vital Signs Er
- S/O
- A/P

Reminders

- Chlamydia Screen
- Height & Weight Screen
- Mammogram Screening

Templates

Name Contains: influenza FindNow Folders

My Favorites

Personal Templates

PULMONARY CLINIC Templates

Name Search (74)

- CHN-Influenza-AMEDD (PRIMARY CARE BLUE TEAM FL BGAA)
- CHN-Influenza-AMEDD (COCHRAN, DAWN C.)
- CHN-Influenza-AMEDD (DOHMANN, JOSEPH G.)
- CHN-Influenza-AMEDD (UNDERWOOD, GEORGE H)
- CHN-Influenza-AMEDD (ALLERGY FM BABQ)
- CHN-Influenza-AMEDD (CASTRICONE, DAISY E)
- CHN-Influenza-AMEDD (PEINE, STEVEN D.)
- CHN-Influenza-AMEDD (INTERNAL MEDICINE FL BAAA)
- CHN-Influenza-AMEDD (MYSKIW, JOHN E)
- CHN-Influenza-AMEDD (SAXE, JONATHAN L)
- CHN-Influenza-AMEDD (GARTUNG, SUSAN R)
- CHN-Influenza-AMEDD (KELLY, LINDSAY M)
- CHN-Influenza-AMEDD (MCMILLAN, BERTIS T)
- CHN-Influenza-AMEDD (MILLER, MATTHEW S.)
- CHN-Influenza-AMEDD (CARNEY, JENNIFER R)
- CHN-Influenza-AMEDD (QQQCHCSIEST, WHITEODOCA)
- CHN-Influenza-AMEDD (CHARLES, WILBERT E)
- Influenza and Influenza-Like Illness-TAMC (UNDERWOOD, GEORGE H)**
- Influenza and Influenza-Like Illness-TAMC (Department of Defense)
- Influenza Vaccine-AMEDD (IMMUNIZATION BAHN RECKT PRO)
- Influenza Vaccine-AMEDD (Department of Defense)
- Influenza Vaccine-AMEDD (PRIMARY CARE RA BHAR)
- Influenza Vaccine-AMEDD (WBD PRIMARY CARE BHAM)
- Influenza Vaccine-AMEDD (IMMUNIZATION BE FBIA)
- Influenza Vaccine-AMEDD (SILVESTRI, JOHN W)
- Influenza Vaccine-AMEDD (TALBOT, GEORGE T)
- Influenza Vaccine-AMEDD (FAMILY PRACTICE OCEANA BHAK)
- Influenza Vaccine-AMEDD (ALLERGY BABA)
- Influenza Vaccine-AMEDD (IMMUNIZATIONS WACH FBIA)
- Influenza Vs2-TAMC-ms.txt (UNDERWOOD, GEORGE H)
- Influenza- test-TAMC-ms (UNDERWOOD, GEORGE H)
- Influenza-TAMC-ms (UNDERWOOD, GEORGE H)

Template preview: Influenza and Influenza-Like Illness-TAMC (Department of Defense)

Visit For: :2147483633:HPI|Surveillance|ROS|Physical Exam|Guidelines|Help

Cough

Headache

This visit is Deployment-related~/deployment-related

Military/Background Info

0:0:1:2:

Hx of Coronary Artery Disease

Previous Hospitalizations

Previous ER Visits

Peripheral Vascular Disease

Significant Co-Morbid Conditions

Hx of pulmonary obstructive disorders

Hx of Diabetes Mellitus

Hx of Congestive Heart Failure

Caffeine Use

Tobacco Use

Alcohol Use

Diarrhea

Liver disease

Personal History

Herbal Medicines

Fever

Family History

Reviewed Family History~: Reviewed in Problem List

Fatigue

Reviewed Past Surgical Hx~: Reviewed

Chest pain or discomfort

Source of information:

USA

USN

USAF

USMC

Branch of Service:

Patient

Reviewed Medication Hx~: Reviewed

UNDERWOOD, GEORGE H in Pulmonary Clinic at Tripler AMC, HI

start Microsoft ... Inbox - Mi... 3 Windo... Order Ent... Microsoft ... UNDERW... 3:53 PM



**AMEDD Medcin Form: 022706**  
**Influenza**



# AHLTA Influenza AIM form – Surveillance tab

<< >> TR-INFLUENZA-ENC-GH AutoNeg Undo Details Browse Shift Browse Note View

HPI Surveillance ROS Physical Exam Guidelines Help Outline View

### Surveillance

☒ ☐ Reported a recent immunization for flu. Date of vaccine: Onset

If yes, where:  
Received vaccine against the pandemic flu virus [ ] Yes [ ] No  
If yes, where/when:

☒ ☐ Travel or residence in a foreign country? (within last 2 weeks)

(Travel within the last 2 weeks)  
If yes, where/when:

☒ ☐ Travel history of close contacts (in past month)

: Close contacts (family members, work colleagues, friends) in past month.  
If yes, where/when:

**STATINS:**  
**Zocor, Lipitor, Crestor, Mevacor, Pravachol, etc.**

**ANTIVIRALS:**  
**Tamiflu, Relenza, Amantadine, etc.**

☒ ☐ Prior use of medications: Antivirals or Statins

: Current or prior use of statins [ ] Yes [ ] No  
Drug:  
When:  
: Current or prior use of antivirals [ ] Yes [ ] No  
Drug:  
When:

☒ ☐ Bathing and personal hygiene:

: Hand hygiene  
[ ] None [ ] Once daily [ ] 2-3 times/day [ ] 4 or more/day  
Mask:  
[ ] Never [ ] Public places [ ] Every time I leave house [ ] Always

These are additional data elements not yet “mapped” into AHLTA MEDCIN. Will capture these as free text. Preventive Medicine will transcribe into database.



# AHLTA Influenza AIM form – ROS tab

<< >> TR-INFLUENZA-ENC-GH AutoNeg Undo Details Browse Shift Browse Note View

HPI Surveillance ROS Physical Exam Guidelines Help Outline View

**Review of Systems**

<input checked="" type="checkbox"/> <b>ROS Unobtainable</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Pulmonary Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Skin Symptoms</b>	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> <b>Other Constitutional Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Dyspnea	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Rash	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Wt loss (lbs)	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Recent	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Lesions	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Night Sweats	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Chronic	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Musculoskeletal Symptoms</b>	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> <b>Head Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Coughing up sputum	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Myalgias	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Sinus pain	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Coughing up blood	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Arthralgias	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> <b>Eye Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Wheezing	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Neurological Symptoms</b>	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Watery discharge	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> New	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Convulsions	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> <b>ENT Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Chronic	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Confused or disoriented	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Pain around the ear	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Chest Congestion	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Lethargy	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Nose bleeds	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Rapid Breathing	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Dizziness	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> <b>Neck Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Gastrointestinal Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> <b>Psychological Symptoms</b>	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Swollen glands	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Abdominal pain	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Sleep disturbances	<input type="checkbox"/> ROS
<input checked="" type="checkbox"/> Stiffness	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Nausea	<input type="checkbox"/> ROS		
<input checked="" type="checkbox"/> <b>Endocrine Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Swelling/Bloating	<input type="checkbox"/> ROS		
<input checked="" type="checkbox"/> <b>Cardiovascular Symptoms</b>	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Constipation	<input type="checkbox"/> ROS		
<input checked="" type="checkbox"/> Palpitations	<input type="checkbox"/> ROS	<input checked="" type="checkbox"/> Decrease in appetite	<input type="checkbox"/> ROS		
		<input checked="" type="checkbox"/> <b>Genitourinary Symptoms</b>	<input type="checkbox"/> ROS		
		<input checked="" type="checkbox"/> Dysuria	<input type="checkbox"/> ROS		
		<input checked="" type="checkbox"/> Polyuria	<input type="checkbox"/> ROS		

**ROS Free Text:**



# AHLTA Influenza AIM form – Physical Exam tab

<< >> TR-INFLUENZA-ENC-GH AutoNeg Undo Details Browse Shift Browse Note View

HPI Surveillance ROS **Physical Exam** Guidelines Help Outline View

<b><u>Vital Signs</u></b>	<input type="checkbox"/>	<b><u>Skin Exam</u></b>	<input type="checkbox"/>	<b><u>Abdominal Exam</u></b>	<input type="checkbox"/>
<input type="checkbox"/> Reviewed Current Vital Signs	<input type="checkbox"/>	<input type="checkbox"/> Color/Pigment	<input type="checkbox"/>	<input type="checkbox"/> Liver Enlargement	<input type="checkbox"/>
<input type="checkbox"/> Reviewed Pain Level	<input type="checkbox"/>	<input type="checkbox"/> Skin lesion(s)	<input type="checkbox"/>	<input type="checkbox"/> Spleen Enlarged	<input type="checkbox"/>
<input type="checkbox"/> Reviewed Body Mass Index	<input type="checkbox"/>	<input type="checkbox"/> Skin Turgor	<input type="checkbox"/>	<input type="checkbox"/> Bowel Sounds	<input type="checkbox"/>
				<input type="checkbox"/> Abdomen Tenderness	<input type="checkbox"/>
<b><u>General Appearance</u></b>	<input type="checkbox"/>	<b><u>Cardiovascular Exam</u></b>	<input type="checkbox"/>	<b><u>Neurological Exam</u></b>	<input type="checkbox"/>
<input type="checkbox"/> Alert	<input type="checkbox"/>	<input type="checkbox"/> Rate and Rhythm	<input type="checkbox"/>	<input type="checkbox"/> Gait And Stance	<input type="checkbox"/>
<input type="checkbox"/> Appears Healthy	<input type="checkbox"/>	<input type="checkbox"/> Heart Sounds	<input type="checkbox"/>		
<input type="checkbox"/> Oriented to Time Place _Person	<input type="checkbox"/>	<input type="checkbox"/> Murmur heard	<input type="checkbox"/>	<b><u>Musculoskeletal Exam</u></b>	<input type="checkbox"/>
				<input type="checkbox"/> Normal movement of all extremities	<input type="checkbox"/>
<b><u>Head Exam</u></b>	<input type="checkbox"/>	<b><u>Lung Exam</u></b>	<input type="checkbox"/>	<b><u>Access to Full Physical Exam</u></b>	<input type="checkbox"/>
<input type="checkbox"/> Head Appearance	<input type="checkbox"/>	<input type="checkbox"/> Auscultation	<input type="checkbox"/>		
<b><u>Eye Exam</u></b>	<input type="checkbox"/>	<input type="checkbox"/> Wheezing heard	<input type="checkbox"/>		
<input type="checkbox"/> PERRLA	<input type="checkbox"/>	<input type="checkbox"/> Rhonchi heard	<input type="checkbox"/>		
<input type="checkbox"/> Extraocular Movements	<input type="checkbox"/>	<input type="checkbox"/> Rales/crackles heard	<input type="checkbox"/>		
<input type="checkbox"/> Conjunctiva	<input type="checkbox"/>	<input type="checkbox"/> Chest Percussion	<input type="checkbox"/>		
		<input type="checkbox"/> Dullness	<input type="checkbox"/>		
<b><u>ENT Exam</u></b>	<input type="checkbox"/>	<input type="checkbox"/> Hyperresonance	<input type="checkbox"/>		
<input type="checkbox"/> Nasal Mucosa	<input type="checkbox"/>				
<input type="checkbox"/> Tympanic Membranes	<input type="checkbox"/>				
<input type="checkbox"/> Oropharynx	<input type="checkbox"/>				
<b><u>Neck Exam</u></b>	<input type="checkbox"/>	<b>TEST RESULTS</b>			
<input type="checkbox"/> Tenderness	<input type="checkbox"/>	<b>Rapid Influenza Test</b>		<b>Chest XRay (past med hx)</b>	<input type="checkbox"/>
<input type="checkbox"/> Decrease in Suppleness	<input type="checkbox"/>	<input type="checkbox"/> Rapid Influenza Test - Influenza A/B Antigen positive?	<input type="checkbox"/>	<input type="checkbox"/> Reported Tests: Chest X-ray	<input type="checkbox"/>
<input type="checkbox"/> Nodes Enlarged	<input type="checkbox"/>	<b>Do not check box below unless tests are in.</b>			
		<input type="checkbox"/> Serum Culture Influenza Virus Type A H5N1: Swab or wash specimen	<input type="checkbox"/>		



# AHLTA Influenza AIM form – Guidelines tab

<<>>

TR-INFLUENZA-ENC-GH

AutoNeg

Undo

Details

Browse

Shift Browse

Note View

HPI | Surveillance | ROS | Physical Exam | **Guidelines** | Help | Outline View

**This form is specifically designed for patients with suspected influenza or other serious upper respiratory virus. This form will be the standard form during an influenza pandemic.**

---

**SINGLE BEST WAY TO PREVENT AGAINST THE FLU:  
Get vaccinated each fall!**

---

**GOOD HEALTH HABITS**

1. Avoid close contact with people who are sick.
2. Stay home when you are sick.
3. Cover your mouth and nose when coughing/sneezing.
4. Wash hands **OFTEN**.
5. Avoid touching your eyes, nose or mouth to decrease spread of germs.
6. Use a face mask as directed by health authorities.

**WHO ARE CONSIDERED CONTACTS?**

Contacts are persons who shared a defined setting (household, extended family, hospital or other residential institution, military barracks or recreational camps) with a person for whom the diagnosis of influenza A (H5N1) is being considered while this person was in his or her infectious period (i.e., from 1 day before onset of symptoms to 7 days after onset of symptoms).

**FOR MORE INFORMATION GO TO:**

**[www.pandemicflu.gov](http://www.pandemicflu.gov)**

**2 ANTIVIRAL DRUGS**

1. Oseltamivir (Tamiflu)
2. Zanimivir (Relenza)

CDC does NOT recommend use of Amantadine and Rimantadine for treatment or prevention of Influenza A in the U.S. for the 2005-6 influenza season.

**HOW TO OBTAIN A NASOPHARYNGEAL WASH IN ADULTS AND OLDER CHILDREN:**

**SUPPLIES:**  
Sterile urine cup; tissues; 5 or 10cc syringe with normal saline

1. Give patient uncapped urine cup in one hand, tissues in the other.
2. Tell patient to take a deep breath and hold it, and tilt his or her head back.
3. Instill 5cc of saline rapidly into one nostril and have patient immediately tilt head forward again and blow as much saline and mucus into the cup as possible.
4. Use the tissues to clean up.
5. Label the cup and send to the lab for flu A and B antigen and respiratory viral culture.



# Common influenza-like ICD9 codes

<< >> TR-INFLUENZA-ENC-GHU ▼

Problem List

Favorite Lists

Search

Find Now

ICD	Diagnosis
487.1	INFLUENZA
487.1	INFLUENZA A H5N1
487.1	INFLUENZA WITH OTHER URI MANIFESTATIONS
487.8	INFLUENZA WITH GASTROINTESTINAL MANIFESTATIONS
487.8	INFLUENZA WITH ENCEPHALOPATHY
487.1	INFLUENZA B
487.1	INFLUENZA C
008.8	GASTROENTERITIS VIRAL
465.9	UPPER RESPIRATORY INFECTION ACUTE
460	COMMON COLD
049.9	VIRAL ENCEPHALITIS
480.9	VIRAL PNEUMONIA

Add to Encounter

Add to Favorite List



# AHLTA influenza order set

<< >>

TR-INFLUENZA-ENC-GHU

Ordering Provider: UNDERWOOD,GEORGE I

Select	Modify	Name	Details
	<input type="checkbox"/>	HEPATIC FUNCTION PANEL	Routine BLOOD
	<input type="checkbox"/>	CBC WITH DIFF	Routine BLOOD
	<input type="checkbox"/>	RAPID INFLUENZA IDENT(NAVY ONL	Routine THROAT
	<input type="checkbox"/>	INFLUENZA A&B ANTIGEN PANEL	Routine NASOPHARYNGEAL
	<input type="checkbox"/>	VIRAL CULTURE	Routine NASOPHARYNGEAL
	<input type="checkbox"/>	CHEST, PA/LAT	Routine
	<input type="checkbox"/>	BENZONATATE--PO 100MG CAP	T 1-2 C TID P FC (DO NOT CHEW) #20 RFO QTY 20 RF 0
	<input type="checkbox"/>	GUAIFENESIN/D-METHOR (ROBITUSSIN-DM)--PO	UD #120 RFO QTY 120 RF 0
	<input type="checkbox"/>	IBUPROFEN--PO 800MG TAB	T1 TB PO TID W/MOM #30 RFO QTY 30 RF 0
	<input type="checkbox"/>	LORATADINE (CLARITIN)--PO 10MG TAB	T1 TB PO QD #30 RFO QTY 30 RF 0
	<input type="checkbox"/>	OXYMETAZOLINE (AFRIN)--NAS 0.05% SPRA	USE 1-2 SPRAYS IN EACH NOSTRIL BID (DO NOT EXCEEI
	<input type="checkbox"/>	ACETAMINOPHEN--PO 325MG TAB	T1-2 TAB PO Q4-6H PP (MAX 12 TABS DAILY) #100 RFO Q
	<input type="checkbox"/>	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	T1 TAB PO BID #10 RFO QTY 10 RF 0
	<input type="checkbox"/>	P-EPHED/GUAIF (SR)--PO 120MG/600MG TBSR	T 1 TAB PO Q12H #20 RFO QTY 20 RF 0

UnSelect All

Select All

Refresh Data

Submit

Save as Order Set



# Reports

- Use locally developed data repository
- Two avenues, both on TAMC Intranet
  - Public data – for the DoD medical community at large
  - Private data (PHI) – To allow the planners to track individual case information



# Tripler Intranet – Main Page

Home - TAMC Intranet - Microsoft Internet Explorer provided by TAMC

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Welcome Tour Choose Buttons Bookmarks Mail Sign Out

Address http://sp.tamc.amedd.army.mil/default.aspx Go Links

**TAMC Intranet**  
Tripler Army Medical Center

Home InsideTAMC OutsideTAMC Departments Tech Support Announcements Site Settings Content

**Tripler Links**

- Medical Library
- Training
- Strategic Plan
- Balanced Score Card
- Bulletin Boards
- Calendars
- Clinical Informatics
- AHLTA
- Publications
- TAMC Phones
- Verizon Directory
- Web Outlook
- Non-Formulary Drug Request

**More Links**

- Near-Miss Report
- HR-FMT Toolkit
- Pacific Region CPOC
- Civilian Human Resources Agency
- Add new link

**AKO ARMY KNOWLEDGE ONLINE**

**Major General Pollock's Patient Safety Feedback Form**  
Submit Feedback

**Patient Safety, Quality Concerns? click [here](#)**

**For CBRNE Training click [here](#)**

**For CG Policy 27 (SAPR) click [here](#)**

Re-deployment Support  
Help Others Cope  
Help Me Cope

- JCAHO
- Near miss report form
- MEDPROS
- Operational Metrics
- Temp Nurse Clock
- Interactive Customer Evaluation
- CBRNE Online Training
- Defense Travel System
- Materiel Standardization Program
- Medical Minute
- Hooked on Patient Safety
- KRAMES On-Demand

- Blood Donor Center
- Infection Management
- Influenza Information
- SARS Information
- eUCAPERS / eUCAPERS Q & A
- Post-Deployment Decompression
- The Train
- The Nugget
- OPSEC Training
- Old Website

**Information Systems Announcements**  
There are currently no active announcements.

**Announcements**  
There are currently no active announcements.

**TAMC\_Docs**  
■ ENTER MOCKCODE TRAINING HERE and see related documents

**TAMC Docs**

Type	Name	Modified By
■	Official Workforce Training	Pope, Kamal D Mr TAMC
■	Nugget - Sep 05 (2)	Pope, Kamal D Mr TAMC
■	Medical Minute JanFeb-2006	Pope, Kamal D Mr TAMC
■	AHLTA User's Manual Build 838	Pope, Kamal D Mr TAMC

**Links**

- Army Medical Department
- Army Home Page
- TSG Electronic Medical Record (EMR) Summit 29-30 Mar 05 (Ft Gordon)
- Strategic Plan 2005

**Location**  
Tripler Army Medical Center  
1 Jarrett White Road

TAMC C.A.R.E.S.  
Staff Recognition Program Nomination

**ICE**  
Interactive Customer

Trusted sites

start Micros... Inbox ... 3 Wi... Order ... Micros... 2 Int... Micros... 4:45 PM



# Influenza Information Main Page



## Influenza Tripler Army Medical Center

[Home](#) [InsideTAMC](#) [OutsideTAMC](#) [Departments](#) [Tech Support](#) [Announcements](#) [Site Settings](#) [Content](#)

### Tripler Links

[Medical Library](#)  
[Training](#)  
[Strategic Plan](#)  
[Balanced Score Card](#)  
[Bulletin Boards](#)  
[Calendars](#)  
[Clinical Informatics](#)  
[AHLTA](#)  
[Publications](#)  
[TAMC Phones](#)  
[Verizon Directory](#)  
[Web Outlook](#)  
[Non-Formulary Drug Request](#)

### LeftMenu

[Pandemic Flu](#)  
[Add new link](#)



### Influenza Tracking Command Dashboard

The following pages will change periodically as new functionality is added.	
<a href="#">Reports of general interest</a>	These reports do not contain Protected Health Information (PHI).
<a href="#">Patient-specific reports</a> (locked by secure access to authorized users only)	These reports contain PHI and will be used solely by authorized users for specific medical need.

### Influenza Announcements

**[Influenza Air Travel and the Honolulu Airport](#)** 5/18/2006 8:31 AM  
by [Furutani, Curtis Y Mr](#)

One of our working group members (CDR Will Jackson) participated in this ABC News broadcast addressing the issue of influenza spread on airlines and how the Honolulu airport is preparing to meet this threat. This is a video with sound.

<http://www.abcnews.go.com/Video/playerIndex?id=1718577>

**[Influenza CHCS Order Set - Available now in CHCS](#)** 5/18/2006 8:29 AM

by [Furutani, Curtis Y Mr](#)  
<http://sp.tamc.amedd.army.mil/mchh-pv/influenza/Documents/Influenza%20CHCS%20Order%20Set%20-%20Available%20now%20in%20CHCS.ppt>

[Add new announcement](#)

The Command Dashboard - portal for live and static reports

- [Command Dashboard](#) [Furutani, Curtis Y Mr](#)
- [Influenza CHCS order set - available now in CHCS](#) [Furutani, Curtis Y Mr](#)
- [Influenza air travel threat and the Honolulu airport](#) [Furutani, Curtis Y Mr](#)
- [Influenza AIM form - in test mode in FP](#) [Furutani, Curtis Y Mr](#)

[Add new document](#)

### Meeting and Agenda Notes

Type	Name	Modified By
	<a href="#">Pandemic Influenza Tracking Application 2006 05 22</a> <small>NEW</small>	<a href="#">Furutani, Curtis Y Mr</a>
	<a href="#">Pandemic Influenza Tracking Application 2006 05 15</a>	<a href="#">Furutani, Curtis Y Mr</a>
	<a href="#">Pandemic Influenza Tracking Application 2006 05 08</a>	<a href="#">Furutani, Curtis Y Mr</a>

[\(More Items...\)](#)

[Add new document](#)

### Content Manager

For questions about the content on this page



# Command Dashboard

## ***Influenza Tracking Command Dashboard***

The following pages will change periodically as new functionality is added.

[Reports of general interest](#)

These reports do not contain Protected Health Information (PHI).

[Patient-specific reports](#) (locked by secure access to authorized users only)

These reports contain PHI and will be used solely by authorized users for specific medical need.



# Public Reports of General Interest

## INFLUENZA TRACKING REPORTS AND GRAPHS

Available Date Range: 10/1/2005 to 5/8/2006

[Cases by Status](#)

[Cases by Patient Category](#)

[Cases by Disposition Code](#)

[Cases by Patient Age](#)

[Influenza Statistics FY05](#)

[Viral Statistics FY05](#)

[Viral Statistics Weekly FY06](#)

☐ Count of Influenza DX

Start Date:

☐ By Day

End Date:

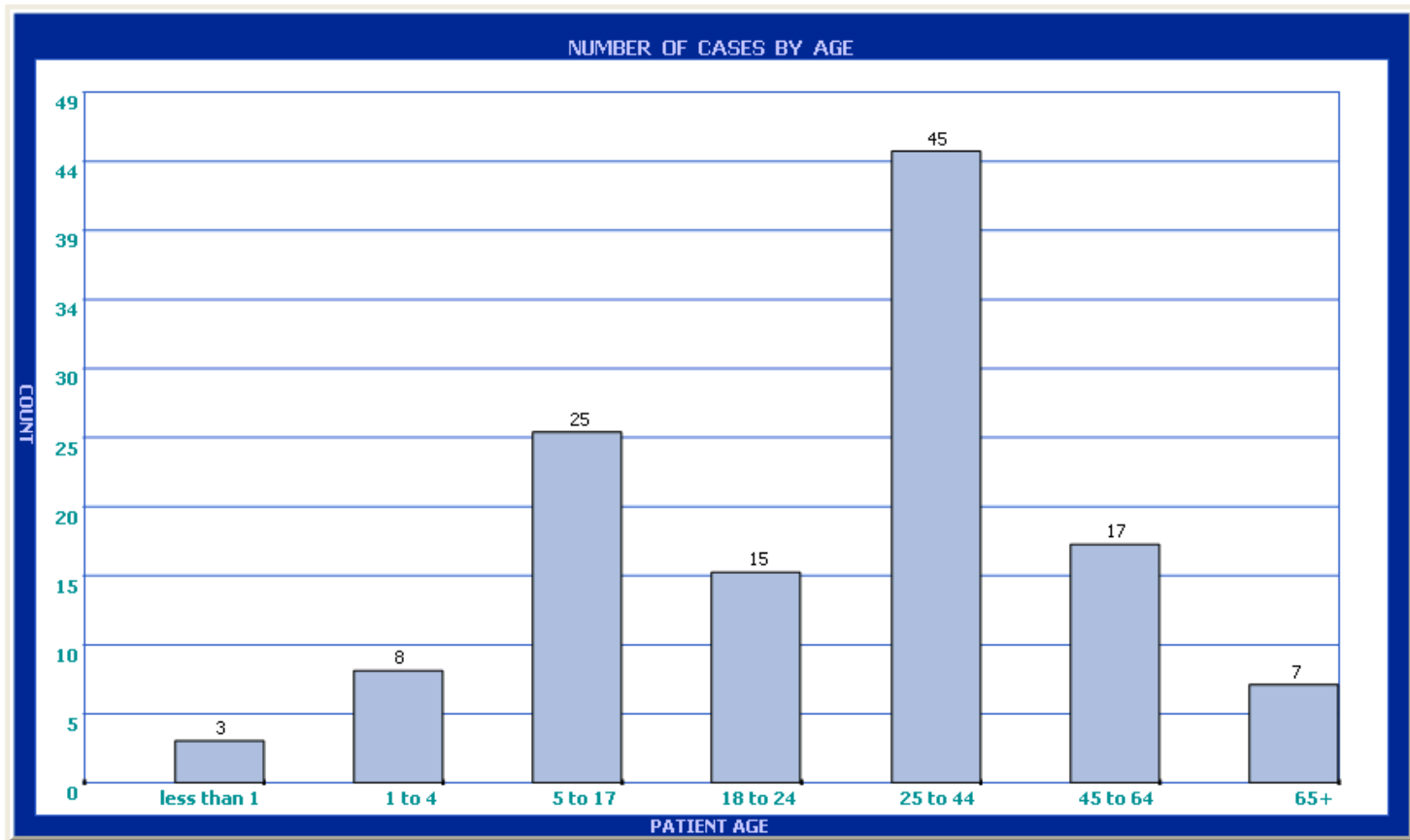
☐ By Month



# Influenza-like illnesses by age

[Back to Main Page](#)

INFLUENZA DIAGNOSIS BY AGE from 10/1/2005 to 5/8/2006



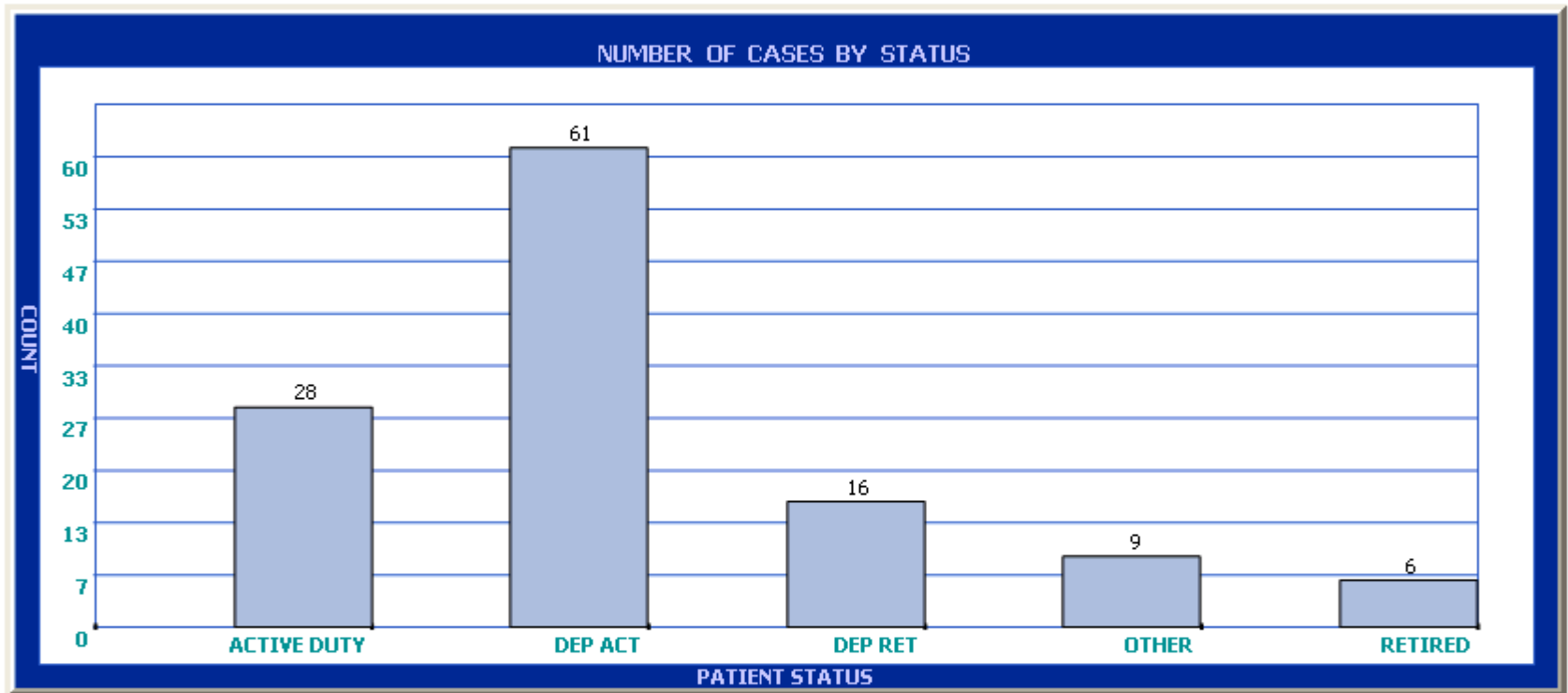
Patient Age	Count
less than 1	3
1 to 4	8



# Influenza patients by patient

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INFLUENZA DIAGNOSIS BY STATUS from 10/1/2005 to 5/8/2006



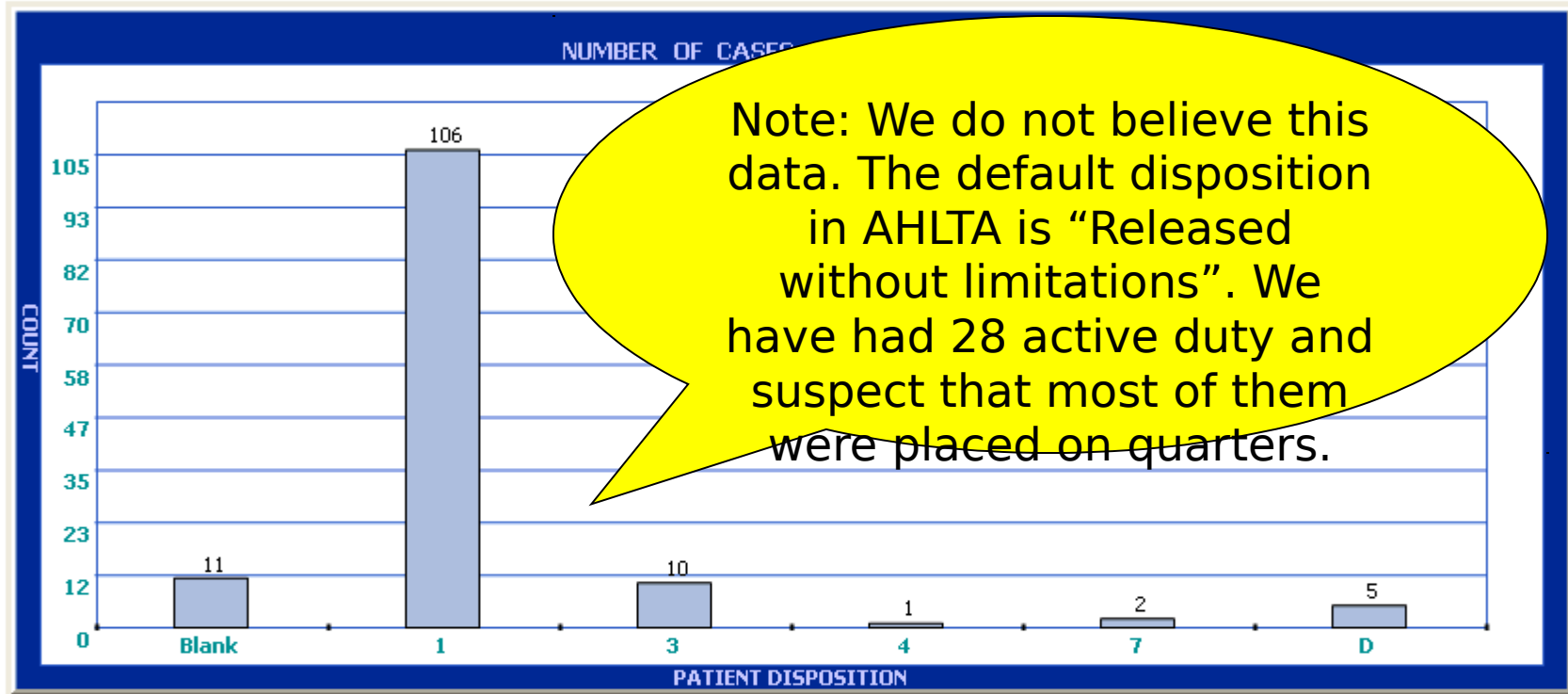
Count	Patient Status
28	ACTIVE DUTY
61	DEP ACT
16	DEP RET
9	OTHER
6	RETIRED



# Influenza-like patients by

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INFLUENZA PATIENTS BY DISPOSITION CODE from 10/1/2005 to 5/8/2006



Count	Disposition Code	Disposition Description
11	Blank	Telcons
106	1	Released without limitations
10	3	Sick at home/quarters
1	4	Immediate referral
2	7	Admitted
5	D	Continued Stay



# Cases by Month

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MONTHLY COUNT OF INFLUENZA DIAGNOSIS FROM 10/1/2005 TO 5/8/2006

☒ Count of Influenza DX

Start Date: 10/1/2005

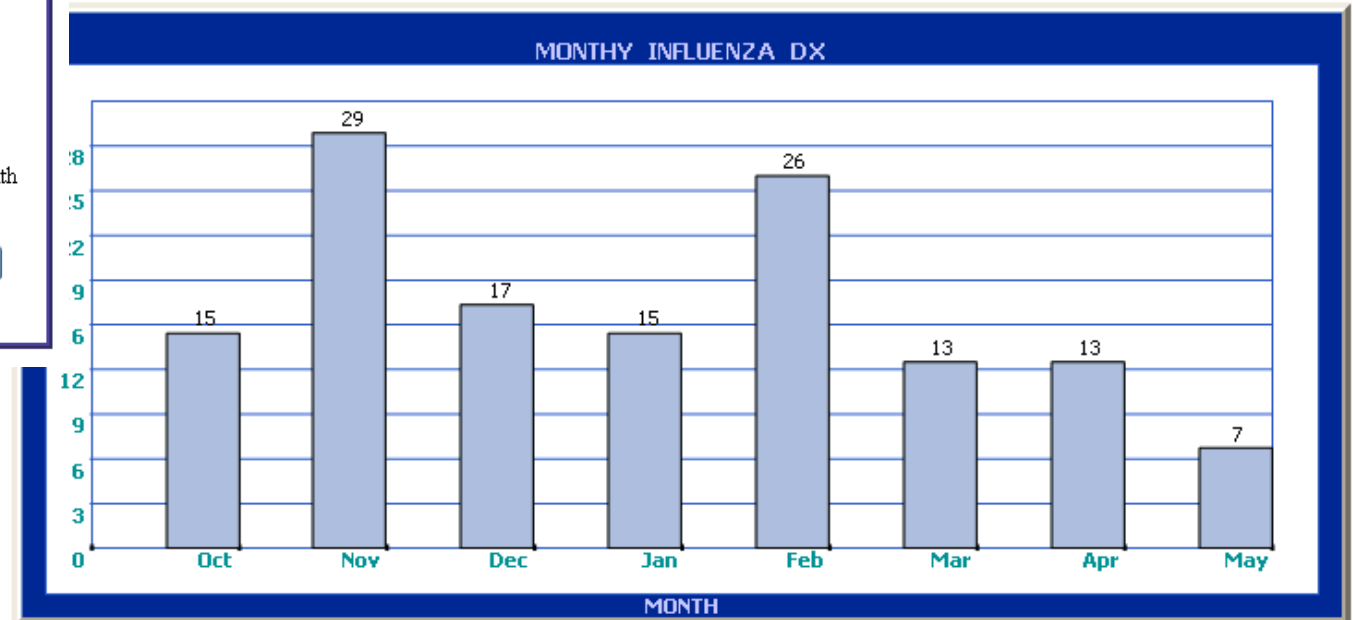
☐ By Day

End Date: 5/8/2006

☒ By Month

Submit

Clear Check Boxes



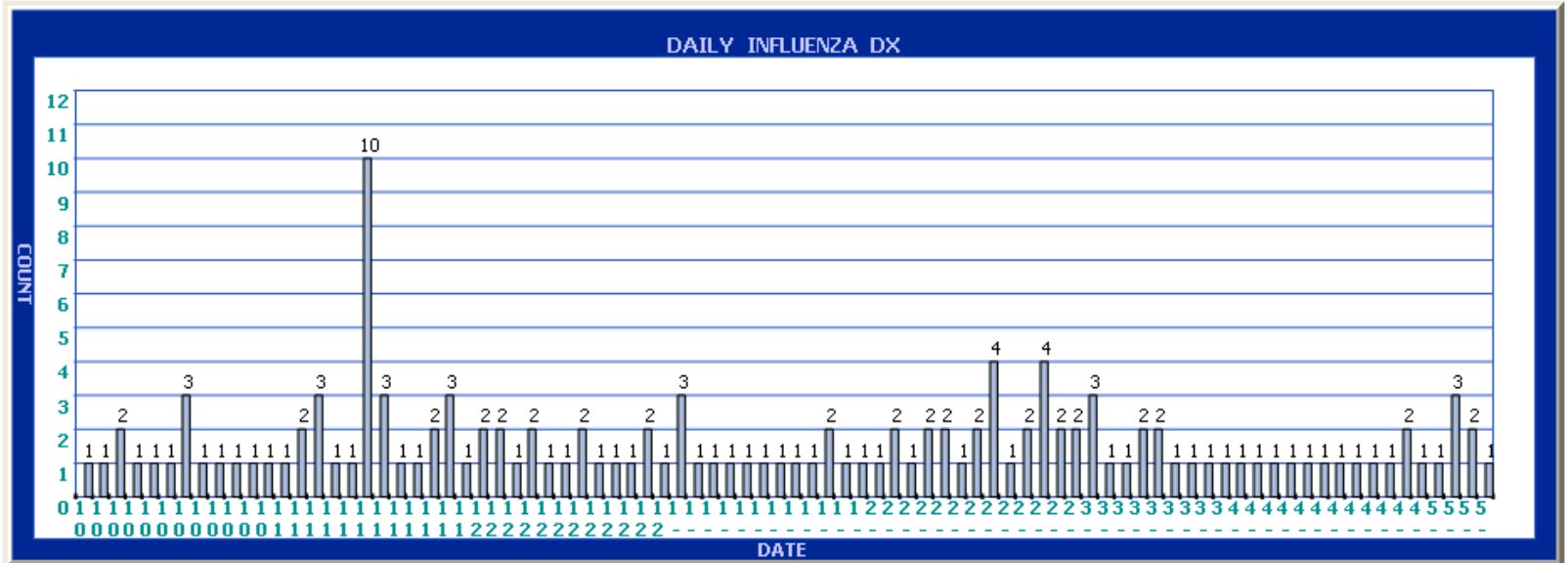
Date	Count
Oct	15
Nov	29
Dec	17
Jan	15
Feb	26
Mar	13
Apr	13
May	7



# Cases by day

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DAILY COUNT OF INFLUENZA DIAGNOSIS from 10/1/2005 to 5/8/2006



Date	Count
Oct-1	1
Oct-2	1
Oct-4	2
Oct-6	1
Oct-7	1
Oct-11	1
Oct-20	3
Oct-21	1
Oct-24	1



## ***Influenza Tracking Command Dashboard***

The following pages will change periodically as new functionality is added.

[Reports of general interest](#)

These reports do not contain Protected Health Information (PHI).

[Patient-specific reports](#) (locked by secure access to authorized users only)

These reports contain PHI and will be used solely by authorized users for specific medical need.



# Authorized users have access to PHI reports

## INFLUENZA TRACKING REPORTS AND GRAPHS

Available Date Range: 10/1/2005 to 5/8/2006

[Cases by Status](#)

[Cases by Patient Category](#)

[Cases by Disposition Code](#)

[Cases by Patient Age](#)

[Influenza Statistics FY05](#)

[Viral Statistics FY05](#)

[Viral Statistics Weekly FY06](#)

Authorized Users Only

Patient Reports

☐ Count of Influenza DX

Start Date:

☐ By Day

End Date:

☐ By Month

Submit

Clear Check Boxes



# Authorized user reports

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## Influenza Patient Tracking Reports

Available Date Range: 10/1/2005 to 5/8/2006

☐ Influenza Patients

☐ Patient Appointments

Get Report

Patient Immunizations

Flu Patient LABS

All Patients with Influenza LABS

Flu Patients Influenza LABS

Patient RX

Flu Related RX

All Patients w/Antivirals

Influenza Lab Tests



# Alpha list of all patients given clinical diagnosis of influenza illness.

[Back to Main Page](#)

ALL PATIENTS DIAGNOSED WITH INFLUENZA from 10/1/2005 to 5/15/2006

<u>PATIENT</u>	<u>PATCAT</u>	<u>STATUS</u>	<u>PATIENT IEN</u>	<u>AGE</u>	<u>SEX</u>	<u>UNIT</u>
PHI	N43	DEP RET	PHI	14	M	
	A43	DEP RET		17	M	
	A41	DEP ACT		21	F	
	N41	DEP ACT		4	M	
	N41	DEP ACT		6	M	
	N11	ACTIVE DUTY		30	M	NAVPACMETOCCEN/JIWC
	N11	ACTIVE DUTY		24	M	AVN SPT ELE 1 MAW K-BAY
	N41	DEP ACT		11	F	
	F11	ACTIVE DUTY		25	M	00 0730 AIR MOBILI SQ
	A41	DEP ACT		17	F	
	N41	DEP ACT		14	F	
	N41	DEP ACT		20	F	
	N11	ACTIVE DUTY		36	M	FLETRACEN 3975 NORMAN SCOTT RD
	A41	DEP ACT		4	F	
	C11	ACTIVE DUTY		26	F	CG STA HONOLULU
	N31	RETIRED		74	M	



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Alpha list of all patients given clinical diagnosis of influenza illness. May sort by column headings (such as Unit)

ALL PATIENTS DIAGNOSED WITH INFLUENZA from 10/1/2005 to 5/15/2006

<u>PATIENT</u>	<u>PATCAT</u>	<u>STATUS</u>	<u>PATIENT IEN</u>	<u>AGE</u>	<u>SEX</u>	<u>UNIT</u>
PHI	A11	ACTIVE DUTY	PHI	38	F	W7QS
	A11	ACTIVE DUTY		26	F	W3U4 CENTER
	A11	ACTIVE DUTY		30	M	W07C TAMC MED CO B
	N11	ACTIVE DUTY		32	M	VPU 2
	A11	ACTIVE DUTY		27	M	UNKNOWN
	N11	ACTIVE DUTY		29	M	UNKNOWN
	N11	ACTIVE DUTY		43	M	SUBMARINE FORCE US PACIFIC FLE
	N11	ACTIVE DUTY		28	M	PATRON NINE
	N11	ACTIVE DUTY		21	F	NAVSECGRUACT
	N11	ACTIVE DUTY		30	M	NAVPACMETOCCEN/JTWC
	N11	ACTIVE DUTY		23	M	HSL THREE SEVEN
	N11	ACTIVE DUTY		36	M	FLETRACEN 3975 NORMAN SCOTT RD

One of our  
Tripler  
clinicians



# Reports can be exported to Excel for additional analysis

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ALL PATIENTS DIAGNOSED WITH INFLUENZA from 10/1/2005 to 5/8/2006

<u>PATIENT</u>	<u>PATCAT</u>	<u>STATUS</u>	<u>PATIENT IEN</u>	<u>AGE</u>	<u>SEX</u>	<u>UNIT</u>
<div>Back Forward  Add this page to my Yahoo! Bookmarks Email this page to Friend  Save Background As... Set as Background Copy Background Set as Desktop Item...  Select All Paste  Create Shortcut Add to Favorites... View Source  Encoding  Print Refresh  Export to Microsoft Excel  Properties</div>	A43	DEP RET	PHI	17	M	
	A41	DEP ACT		21	F	
	N41	DEP ACT		4	M	
	N41	DEP ACT		6	M	
	N11	ACTIVE DUTY		24	M	AVN SPT ELE 1 MAW K-BAY
	N41	DEP ACT		11	F	
	F11	ACTIVE DUTY		25	M	00 0730 AIR MOBILI SQ
	A41	DEP ACT		17	F	
	N41	DEP ACT		20	F	
	N11	ACTIVE DUTY		36	M	FLETRACEN 3975 NORMAN SCOTT RD
	A41	DEP ACT		4	F	
	C11	ACTIVE DUTY		26	F	CG STA HONOLULU
	N31	RETIRED		74	M	
	M48	OTHER		62	F	
	K61	OTHER		26	M	
PHI	A31	RETIRED		56	M	



# All patient appointments by

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ALL PATIENT APPOINTMENTS WITH INFLUENZA ICD9 CODES 487 from 10/1/2005 to 5/8/2006

PATIENT	APPT DATE	ICD CODE	DIAGNOSIS	CLINIC	PATIENT IEN
AC	3/13/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	ADOLESCENT & YOUNG ADULT CLIN	
AL	12/23/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	SB FAMILY PRACTICE SERVICE	
AL	3/1/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	PH PEDS CLINIC	
AL	3/1/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	PH PEDS CLINIC	
AF	12/5/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	KB AVIATION MEDICINE CLINIC	
BA	2/6/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	PH PEDS CLINIC	
BA	10/4/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	EMERGENCY RM	
BA	11/3/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	SB FAMILY PRACTICE SERVICE	
BE	12/5/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	OBSTETRICS	
BE	11/10/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	EMERGENCY RM	
BE	11/18/2005 12:00:00 AM	487.8	FLU W MANIFESTATION NEC	EMERGENCY RM	
BIS	12/11/2005 12:00:00 AM	487.8	FLU W MANIFESTATION NEC	EMERGENCY RM	
BL	1/24/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	ADULT MEDICINE CLINIC	
CA	2/27/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	ADULT MEDICINE CLINIC	
CA	3/17/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	EMERGENCY RM	
CA	2/17/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	SB ACUTE CARE CLINIC	
CA	11/7/2005 12:00:00 AM	487.8	FLU W MANIFESTATION NEC	SY OCCUPATIONAL HEALTH CLINIC	
CA	3/16/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	SB FAMILY PRACTICE SERVICE	
CE	2/21/2006 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	SB ACUTE CARE CLINIC	
CH	10/6/2005 12:00:00 AM	487.0	INFLUENZA WITH PNEUMONIA	SB FAMILY PRACTICE SERVICE	
CL	10/4/2005 12:00:00 AM	487.8	FLU W MANIFESTATION NEC	FAMILY PRACTICE CLINIC TAMC	
CL	2/13/2006 12:00:00 AM	487.8	FLU W MANIFESTATION NEC	PH PEDS CLINIC	
DE	10/7/2005 12:00:00 AM	487.1	FLU W RESP MANIFEST NEC	EMERGENCY RM	

PHI

PHI



# Patients identified by influenza-like ICD9 and whether or not they had influenza vaccine

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## INFLUENZA IMMUNIZATIONS IN THE PAST 12 MONTHS

PATIENT NAME	DATE OF DIAGNOSIS	IMMUNIZATION	DATE ADMINISTERED	PATIENT IEN
A	2005-12-23			
B	2005-10-04			
B	2005-12-05			
B	2005-11-10	INFLUENZA (SPLIT)	2005-11-28	
B	2005-12-11			
B	2006-01-24	INFLUENZA (SPLIT)	2005-11-08	
C	2006-03-17			
C	2006-02-17			
C	2006-0			
C	PHI			PHI
C		INFLUENZA (SPLIT)	2005-11-03	
C				
D		INFLUENZA (SPLIT)	2005-12-12	
F				
F				
F				
F				
F				
F	2005-11-28			
G	2005-10-02			

NOTE: We will lose  
this tracking  
capability when we  
move to AHLTA to  
track  
immunizations



# Our identified influenza patients and pertinent labs

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## ALL RELATED LABS FOR PATIENTS DIAGNOSED WITH INFLUENZA

<u>PATIENT NAME</u>	<u>APPT DATE</u>	<u>LAB TEST</u>	<u>SPECIMEN DATE</u>	<u>RESULT</u>	<u>PATIENT IEN</u>
PHI	2005-11-03	INFLUENZA VIRUS A AG	2005-11-03	N	PHI
	2005-11-03	INFLUENZA VIRUS B AG	2005-11-03	N	
	2005-12-05	HEMOGLOBIN	2005-12-31	13.3	
	2005-12-05	HEMOGLOBIN	2006-01-02	8.1	
	2005-12-05	LYMPHOCYTES/100 WBC	2005-12-31	21.0	
	2005-12-05	PLATELETS	2005-12-31	120	
	2005-12-05	PLATELETS	2006-01-02	88	
	2005-12-05	LYMPHOCYTES/100 WBC	2006-01-02	27.4	
	2005-12-05	WBC COUNT	2005-12-31	11.3	
	2005-12-05	WBC COUNT	2006-01-02	8.5	
	2005-11-10	HEMOGLOBIN	2006-01-29	15.5	
	2005-11-10	LYMPHOCYTES/100 WBC	2006-01-29	28.9	
	2005-11-10	PLATELETS	2006-01-29	202	
	2005-11-10	WBC COUNT	2006-01-29	6.8	
	2006-01-24	LYMPHOCYTES/100 WBC	2006-04-03	29.5	
	2006-01-24	PLATELETS	2006-04-03	303	
	2006-01-24	WBC UA	2006-01-24	3	
	2006-01-24	HEMOGLOBIN	2006-04-03	14.6	
	2006-01-24	WBC COUNT	2006-04-03	8.2	



# Our patients and specific influenza tests

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## FLU RELATED LABS FOR PATIENTS DIAGNOSED WITH INFLUENZA

<u>PATIENT NAME</u>	<u>APPT DATE</u>	<u>LAB TEST</u>	<u>SPECIMEN DATE</u>	<u>RESULT</u>	<u>PATIENT IEN</u>
PHI	2006-03-13				PHI
	2005-12-23				
	2005-10-04				
	2005-11-03	INFLUENZA VIRUS A AG	2005-11-03	N	
	2005-11-03	INFLUENZA VIRUS B AG	2005-11-03	N	
	2005-12-05				
	2005-11-10				
	2005-11-18				
	2005-12-11				
	2006-01-24				
	2006-02-27	INFLUENZA VIRUS A AG	2006-02-27	N	
	2006-02-27	INFLUENZA VIRUS B AG	2006-02-27	N	
	2006-03-17				
	2006-02-17				
	2006-11-03				

<u>TOTAL</u>	<u>WITH LABS</u>	<u>PERCENT</u>
137	20	15



Done



Local intranet



# All patients having had specific influenza tests

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## FLU RELATED LABS FOR ALL PATIENTS SINCE OCTOBER 2005

PATIENT NAME	LAB TEST	SPECIMEN DATE	RESULT	PATIENT IEN
PHI	INFLUENZA VIRUS A AB	2005-10-16	8	PHI
	INFLUENZA VIRUS A AB	2005-10-21	16	
	INFLUENZA VIRUS A AB	2005-11-09	8	
	INFLUENZA VIRUS A AB	2005-11-23	<8	
	INFLUENZA VIRUS A AB	2006-01-14	16	
	INFLUENZA VIRUS A AB	2006-02-13	<8	
	INFLUENZA VIRUS A AB	2006-03-25	16	
	INFLUENZA VIRUS A AB	2006-04-07	<8	
	INFLUENZA VIRUS A AG	2005-10-04	N	
	INFLUENZA VIRUS A AG	2005-10-07	N	
	INFLUENZA VIRUS A AG	2005-10-11	N	
	INFLUENZA VIRUS A AG	2005-10-11	N	
	INFLUENZA VIRUS A AG	2005-10-12	N	
	INFLUENZA VIRUS A AG	2005-10-13	N	
	INFLUENZA VIRUS A AG	2005-10-17	N	
	INFLUENZA VIRUS A AG	2005-10-19	N	
	INFLUENZA VIRUS A AG	2005-10-19	N	
	INFLUENZA VIRUS A AG	2005-10-20	N	
	INFLUENZA VIRUS A AG	2005-10-20	N	



# Our patients and pertinent prescriptions

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## RELATED PRESCRIPTIONS FOR INFLUENZA PATIENTS

Data based on RX dispensed dates after 30SEP2005

PATIENT NAME	FILL DATE	DISPENSED DATE	DRUG NAME	DX DATE
PHI	2006-02-07	2/7/2006 9:29:00 AM	ALBUTEROL--INH 0.083%/VIAL SOLN	2006-03-01
	2006-02-01	2/1/2006 11:45:00 AM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2006-03-01
	2006-02-01	2/1/2006 11:45:00 AM	FLUTICASONE (FLOVENT HFA)--INH 110MCG	2006-03-01
	2006-02-01	2/1/2006 11:45:00 AM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-03-01
	2006-02-08	2/8/2006 8:41:00 AM	FLUTICASONE (FLOVENT HFA)--INH 110MCG	2006-03-01
	2006-02-08	2/8/2006 8:41:00 AM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-03-01
	2006-01-10	1/10/2006 10:47:00 AM	FLUTICASONE (FLOVENT HFA)--INH 110MCG	2006-02-06
	2006-01-10	1/10/2006 10:47:00 AM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-02-06
	2006-02-14	2/14/2006 3:53:00 PM	FLUTICASONE (FLOVENT HFA)--INH 110MCG	2006-02-06
	2006-02-14	2/14/2006 3:53:00 PM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-02-06
	2006-02-14	2/14/2006 3:53:00 PM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-02-06
	2006-04-10	4/10/2006 12:43:00 PM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2006-02-06
	2006-01-24	1/24/2006 3:24:00 PM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2006-01-24
	2006-03-11	3/16/2006 11:06:00 AM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2006-01-24
	2005-10-02	10/4/2005 4:25:00 PM	SIMVASTATIN (ZOCOR)--PO 5MG TAB	2006-02-27
Tracking Statins to assess role in reducing morbidity/mortality	2005-10-25	10/25/2005 4:32:00 PM	SIMVASTATIN (ZOCOR)--PO 5MG TAB	2006-02-27
	2006-02-07	2/7/2006 4:29:00 PM	SIMVASTATIN (ZOCOR)--PO 5MG TAB	2006-02-27
	2006-01-11	1/11/2006 10:04:00 AM	IPRATROPIUM (ATROVENT)--NAS 0.03% SPRA	2006-01-11
	2005-10-26	10/26/2005 11:21:00 AM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2005-10-24
	2005-12-07	12/7/2005 9:08:00 AM	METHYLPREDNISOLONE (MEDROL) PACK-4MG TAB	2005-11-07
	2006-04-20	4/20/2006 12:57:00 PM	ALBUTEROL (PROVENTIL)--INH 90MCG AERO	2006-04-19
	2006-04-20	4/20/2006 12:57:00 PM	PREDNISOLONE (ORAPRED)--PO 3MG/ML SYRP	2006-04-19



# Our patients and specific prescriptions

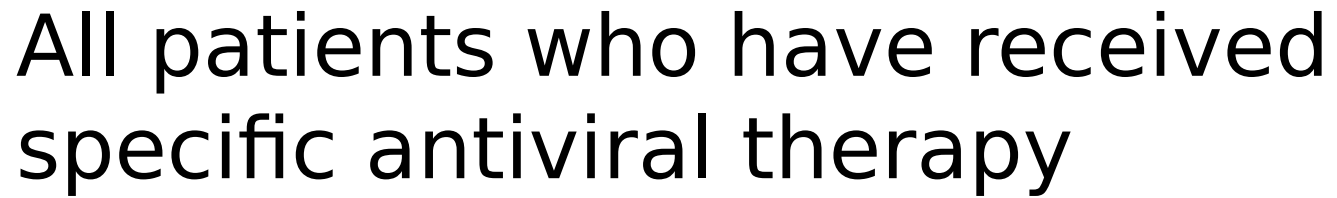
## ANTIVIRAL PRESCRIPTIONS FOR INFLUENZA PATIENTS

<u>PATIENT NAME</u>	<u>RX DATE</u>	<u>DISPENSED DATE</u>	<u>DRUG NAME</u>	<u>PATIENT IEN</u>
PHI	3/1/2006	3/1/2006 4:05:00 PM	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	PHI
	2/7/2006	2/7/2006 4:46:00 PM	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	
	5/13/2006	5/13/2006 8:45:00 PM	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	
	2/2/2006	2/2/2006 10:08:00 AM	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	
	3/31/2006	3/31/2006 12:36:00 PM	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	
1				

TOTAL # OF PATIENTS	# WITH FLU RELATED RX	PERCENT WHO RECEIVED RX
137	5	4%

*Data based on prescription dates after 30SEP2005, includes Zanamivir, Relenza, and Tamiflu.*





**ALL PATIENTS WHO RECEIVED ANTIVIRALS  
AMANTADINE, TAMIFLU, OR ZANAMIVIR**

PATIENT NAME		DISPENSED DATE	QUANTITY	DRUG NAME	RX NUMBER
S	PHI	2006-02-07	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	T9
P		2005-11-30	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	DE
F		2006-02-27	3	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	DE
S		2006-02-02	7	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	DE
L		2005-10-17	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	T8
R		2006-03-01	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	T9
V		2006-03-31	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	S7
T		2006-02-15	10	OSELTAMIVIR (TAMIFLU)--PO 75MG CAP	T9



# % of Encounters for Influenza-like

TOTALS SINCE OCTOBER 2005

CLINIC NAME	FLU APPTS	TOTAL APPTS	% INFLUENZA
ADOLESCENT & YOUNG ADULT CLIN	5	2896	0.17
SY OCCUPATIONAL HEALTH CLINIC	4	7898	0.05
HC FAMILY PRACTICE FALCON	1	12344	0.01
KB AVIATION MEDICINE CLINIC	4	5790	0.07
PEDIATRIC INFECTIOUS DISEASE	1	304	0.33
SDS ENT	1	712	0.14
PULMONARY CLINIC	1	2958	0.03
INFECTIOUS DISEASE CLINIC	5	1815	0.28
ADULT MEDICINE CLINIC	12	28283	0.04
SB SOLDIER ASSISTANCE CENTER	1	9112	0.01
PH FAM PRAC	4	17186	0.02
EMERGENCY RM	29	27824	0.1
KB IMMUNIZATIONS CLINIC	2	4646	0.04
PEDIATRIC HEMATOLOGY ONCOLOGY	2	733	0.27
FAMILY PRACTICE CLINIC TAMC	13	32225	0.04
PH PRIMARY CARE CLINIC	3	22885	0.01
PEDIATRIC CLINIC	5	14390	0.03
OBSTETRICS	4	18883	0.02
SB ACUTE CARE CLINIC	4	9926	0.04
SB FAMILY PRACTICE SERVICE	20	32025	0.06
PH PEDS CLINIC	27	15078	0.18
IBWA CLINIC 0052	5	34651	0.01
KB FAMILY PRACTICE CLINIC	2	13222	0.02



# Additional reports under development

<b>Order</b>	<b>Prior to scheduled database development effort</b>
<b>1</b>	<b>Of all visits to TAMC (MONTHLY), how many came for influenza? - in progress</b>
<b>2</b>	<b>What is incident rate of influenza per clinic/ER? - in progress</b>
<b>3</b>	<b>Our accuracy rate: stacked bar chart (height = pts with iCD9 dx for time period (month), part of bar # with lab test, part with # pos lab test</b>
<b>4</b>	<b>Viral studies based on ICD9 dx</b>
<b>5</b>	<b>Patients with lab confirmation who got/did not get drug</b>
<b>Wait until after database development effort (which will generate new report requirements)</b>	
	<b>Create form letter to those who have recovered explaining why they don't get new vaccine.</b>

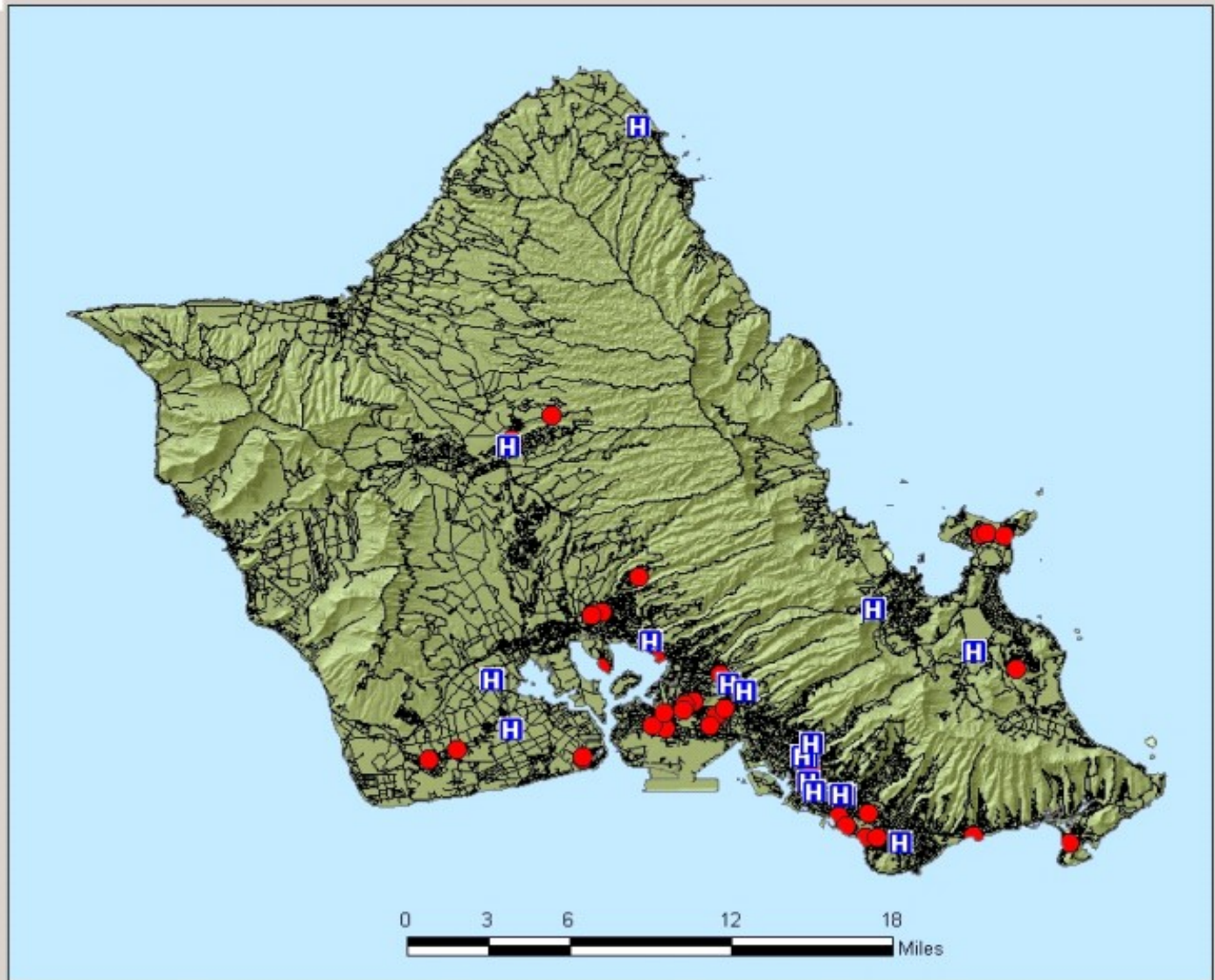


# Geographic Information Systems (GIS) Mapping

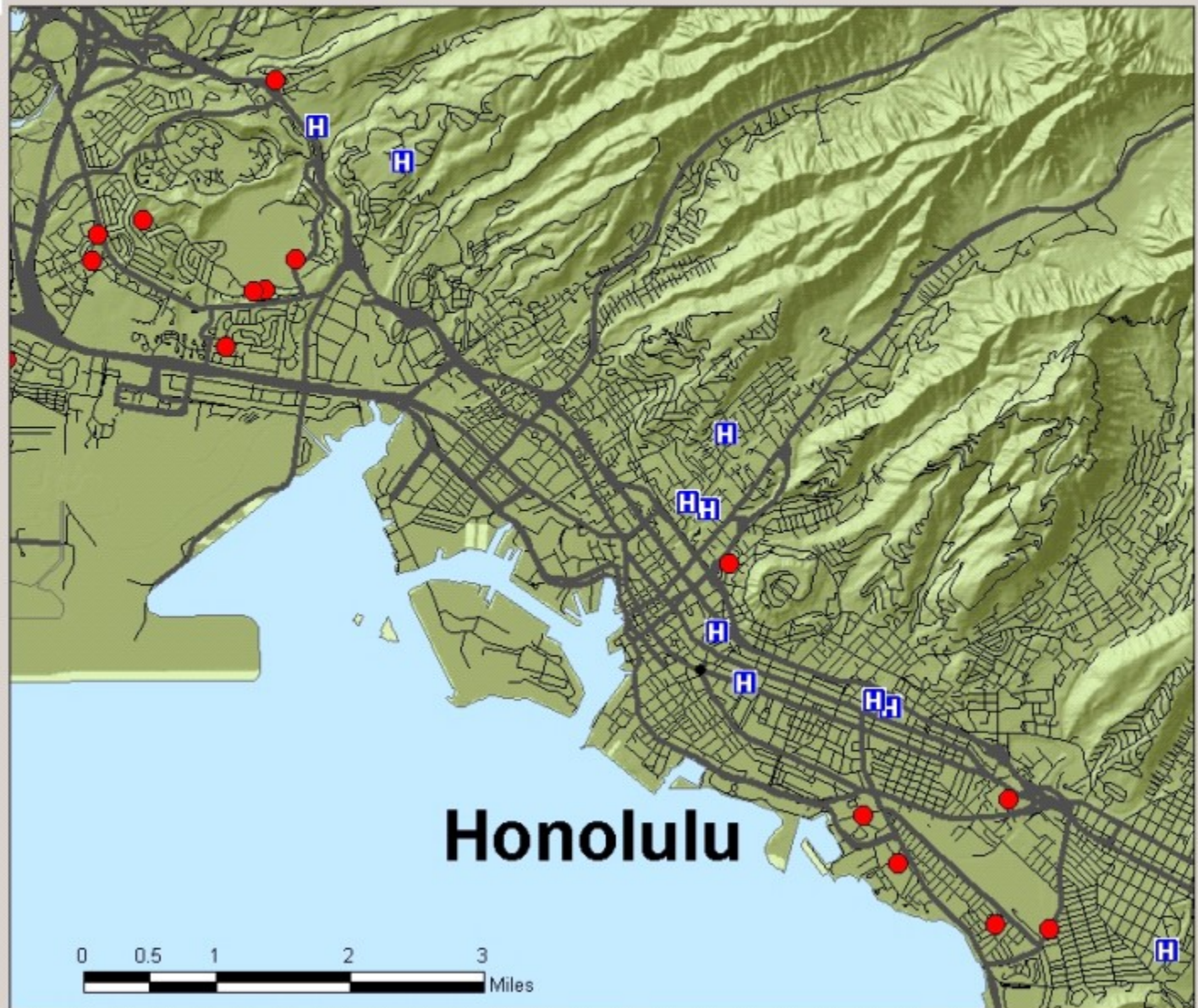
## Phase 1 – Data elements to explore utility of GIS in

- Patient ID conjunction with Pacific Disaster Center (PDC)
- Date of onset (appt date)
- Icd9 = 487 series
- H5n1 confirmed? Y, N, ND – placeholder since test not yet available
- Street address (nn or nn-nnn street) – discussion – how to protect privacy?
- City
- Zip
- Sex
- Age
- PAT CAT (private)
- Mil unit (private) – ? Utility - ? phase 2+
- Military treatment facility (MTF) (clinic) phase 1
- MTF address – phase 1
- **Discussion, do we want to send all clinical ICD9 dxs or those with pos tests (ie, in pandemic)?**
  - **Dr. Brumage says all clinical dxs. When in Pandemic, we need to track all visits for presumed flu. In addition, there will be less testing as a pandemic occurs.**

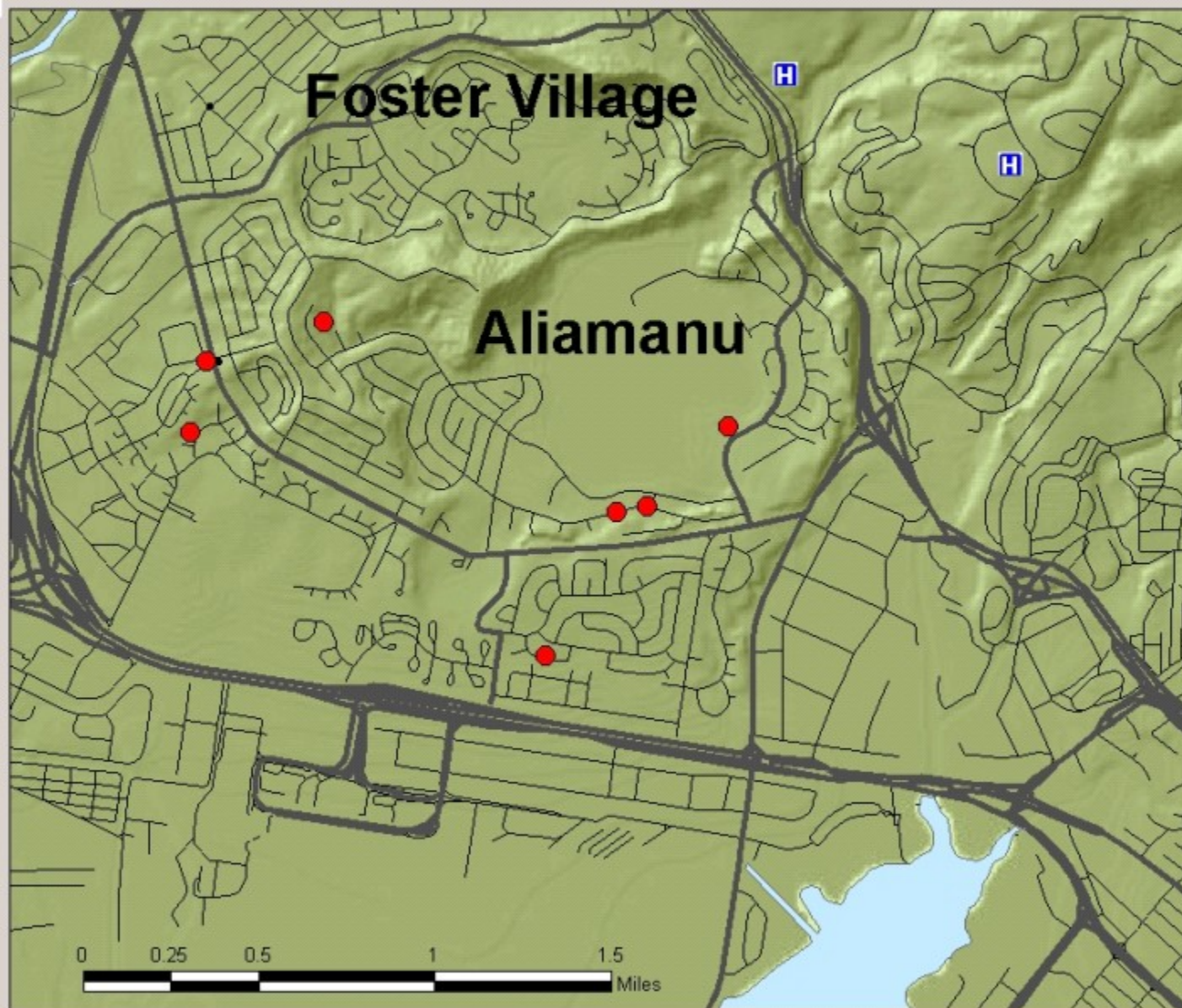
# Oahu Influenza Cases Overview



# Oahu Influenza Cases

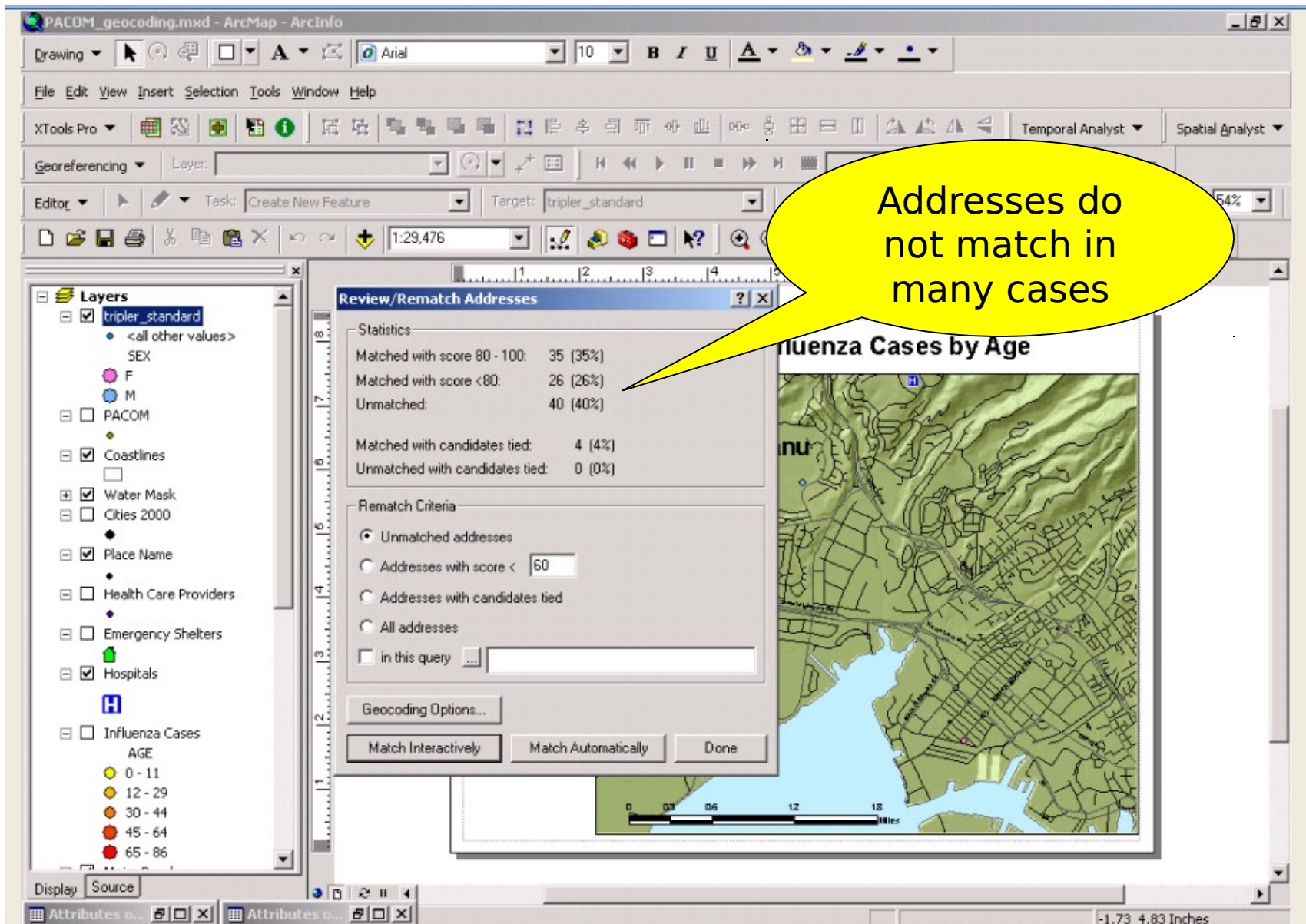


# Oahu Influenza Cases





# GIS – Lesson Learned





# Summary

- A DoD-unique solution to assist Oahu in managing near “real-time” pandemic influenza tracking
- Learn as we go
  - Rapid prototyping, rapid release methodology



# Pandemic Influenza Tracking in the DoD community on Oahu

A prototype project for Pandemic Influenza  
Preparedness and Response  
Concepts and Lessons Learned

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